FPR2S/C Freeplay and Solar Radio
(120-0800) Features Faxback Doc. # 50739

Congratulations on purchasing the Freeplay Solar Radio.

1. Storing Energy

The Freeplay Solar Radio is equipped with two different energy supply facilities.

1.1 Carbon Steel Spring

Your own energy is stored in a spring by winding the handle. The energy is released on demand and converted to electricity, which in turn powers the radio.

1.2 Solar Panel

A solar panel, fitted in the rear casing of the radio, generates electricity when exposed to sunlight.

In direct sunlight the radio will run off the panel alone; as the exposure to sunlight decreases, the radio will automatically compensate by drawing from the spring to maintain power.

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(120-0800) Controls Faxback Doc. # 50740

1. Dial Scale Frequency Indicator -

   Indicates radio station selected.

2. On/Off Control -

   Use to switch power "ON" or "OFF". The "OFF" position will allow winding down to save the spring when not listening.

3. Band Selector -

   Select FM or AM band before tuning to desired station.

4. DC Input -

   Only use approved adapter with 3V-12VDC/100mA (Min) output and center positive pin. Push the jack into the socket and your radio will operate without winding.

   (Note: remember to unplug the adapter before operating the radio in winding mode.)

5. Headphones Socket -

   To use this socket, simply plug in either headphones or earphones.

6. Aerial -

   Unclip the aerial and extend to maximum length. For AM stations, the Radio is equipped with an internal ferrite aerial.

7. Winder -

   Lift up the radio. Take hold of the winding handle and wind up the radio. (Full wind is approx. 55 turns.)

8. Solar Panel.

9. Volume Control.

10. Tuning Control.

WARNING: Do not under any circumstances open the radio case.

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(120-0800) Operation Faxback Doc. # 50741

The Freeplay Solar Radio may be operated directly by spring generated electricity or by using its solar panel.

2.1 Charging the Spring -

Hold the radio firmly whilst cranking the handle clockwise. Approximately 55 turns fully energizes the spring, after which an end-stop prevents over-winding.

2.2 Solar Power -

When placed in direct sunlight the radio will run exclusively from solar power and the spring will shut down completely (if solar contribution is sufficient). As the solar contribution decreases the radio automatically draws energy from the spring.

2.3 AC/DC Adapter -

The Freeplay Solar Radio may also be powered by an AC/DC (3V-12VDC 100mA) adapter (available from your local RadioShack store.)

FPR2S/C Freeplay and Solar Radio
(120-0800) Specifications Faxback Doc. # 50742

Power Source (Internal): .... B-Motor textured carbon spring, driving a DC generator through a transmission.

(Solar): .... High performance thin film solar panel, with a 3.0V 50 mA maximum output.

(External): .... Optional DC adapter (center pin positive) 3V to 12V 100mA (Min).

Frequency Range (AM): ..... 500 - 1700 kHz
(FM): ..... 88 - 108 MHz

Generator: ..... Mabuchi RF-500TB DC motor producing 35 mA, 3V at 1500 R.P.M.

Speaker Impedance: ..... 8 Ohms
Output: ..... 5W (Max)
Size: ..... 4 Inch Silver Dome

Antenna System (FM): ..... Telescopic Antenna

(AM): ..... Built-in Ferrite Bar Antenna

Dimensions (HWL): ..... 8 x 8 x 11.5 Inches (200 x 200 x 290 mm)

Weight: ..... 5.1 lbs., 5 oz (2.4 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

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